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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

LIN, WEN TAI

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 11/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/731,277

Applicant(s)

WANG ET AL.

Examiner

Wen-Tai Lin

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 October 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-20 are presented for examination.
2. The double patenting rejection in the previous office action is temporarily withdrawn because Applicant indicated that a terminal disclaimer would be filed.
3. Claims 2-6 and 8 are objected to because the "the captured displays" appears to lack antecedence in claims 2 and 8.
4. In the remarks, Applicant correctly pointed out that claims 10-20 were not considered in the previous office action. For this reason, the instant office action is made non-final.
5. In the remarks filed on 10/3/2006, Applicant argued that Drete does not transfer the entire image of the display screen because Drete only requires differences of two consecutive images to be sent.

The examiner respectfully disagrees. Applicant is reminded that the difference transmission is a compression scheme (or called packing technique) that Drete applies. Since the initial image is an entire screen display, a difference of two consecutive image pair can always be reconstructed to a full display via XOR operator

(see col.8 lines 8-18). The purpose is the same as Applicant's claim 8, which requires that the image be compressed prior being transferred to another node.

For this reason it is submitted that Drete is a valid 102 prior art.

Claim Rejections - 35 USC § 102

6. Claims 1-3, 7, 9, 11-14 and 18-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Drete et al.[U.S. Pat. No. 5388252].

7. As to claim 1, Drete teaches the invention as claimed including: a method for tracking predetermined activities [e.g., diagnostic activities] for a terminal display, the method comprising:

providing a series of displays on the terminal display, at least some of the displays requiring interactions from a user and being referred to as interactive displays [e.g., Fig.4; col.7, line 26 – col.8, line 34; i.e., once the interactive window is created, the displays are altered as a result of remote interaction from the technical expert];

capturing an entire image of one of the interactive displays only after the one of the interactive displays has been altered with at least one interaction from the user in accordance with a predetermined requirement, wherein the entire image is in pixel format [e.g., col.8, lines 8 – 18];

continuing to successively display a next one of the interactive displays till a last one of the interactive displays, wherein each of captured images some of the interactive

displays includes at least one interaction from the user in accordance with a predetermined requirement [e.g., col.10, line 26-52]; and

sending at least some of the captured images to another computing device [i.e., the remote computer].

8. As to claims 2-3, Drete further teaches that one or more attributes are associated with each of the captured displays, wherein the one or more attributes includes an alphanumeric character string [col.11 lines 14-47; e.g., the two-byte counts and cursor positions are attributes associated with the captured image].

9. As to claim 7, Drete further teaches that the interaction includes one or more of (i) an entry by the user, and (ii) a click by the user [e.g., col.2 lines 9-24].

10. As to claims 11-12, Drete teaches the invention as claimed including: a terminal device for tracking predetermined activities therewith, the terminal device [e.g., Fig. 1-2] comprising:

a display screen [e.g., 96, Fig.2];

a memory space provided with data, the data configured to generate a series of displays for the display screen, at least some of the displays requiring interactions from a user and being referred to as interactive displays However, Official Notice is taken that encrypting messages in a unsecure communication environment is well known in the art.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to encrypt Drete's captured images, including the appended time and date, prior to sending the captured information to the monitoring site because it enables the transferred information to be guarded against any security breach];

an embedded module [e.g., a background task] automatically triggered to capture a portion of the data in the memory space corresponding to one of the interactive displays after the one of the interactive displays has been altered with at least one interaction from the user in accordance with a predetermined requirement, wherein the embedded module is configured to save the portion of the data and forward a file including the portion of the data to a server [e.g., col.8, lines 19 – 49; col.10, line 26-52].

11. As to claim 19, Drete further teaches that the embedded module includes compressing the portion of the data according to a compression scheme [col.8 lines 8-18].

12. As to claims 9, 13-14 and 18, since the features of these claims can also be found in claims 1-3, 7 and 11-12, they are rejected for the same reasons set forth in the rejection of claims 1-3, 7 and 11-12 above.

Claim Rejections - 35 USC § 103

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13. Claims 4, 8, 10, 15 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Drete et al.(hereafter "Drete") [U.S. Pat. No. 5388252], as applied to claims 1-3, 7, 9, 11-14 and 18-19 above, further in view of Official Notice .

14. As to claim 4, Drete does not specifically teach the alphanumeric character string is encrypted.

However, Official Notice is taken that encrypting messages in a non-secure communication environment is well known in the art.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to encrypt Drete's captured images, including the appended time and date, prior to sending the captured information to the monitoring site because it enables the transferred information to be guarded against any security breach.

15. As to claim 8, Drete teaches adopting a compression scheme by packing each captured image with changed data only [col.11 lines 58-66]. Drete does not specifically teach compressing the captured displays into a file and sending the compressed file to a destination.

However, Official Notice is taken that saving captured images into a compressed file is well known in the art of documentation and archiving.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to archive Drete's images and send it to an archiving center

because it makes the information available for future review [e.g., Drete: col. 8 lines 35-40].

16. As to claim 10, Drete does not specifically teach that the series of screen displays is analyzed by an OCR.

However, Official Notice is taken that analyzing pixel-formatted data (e.g., a PDF file) via OCR is well known in the art.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use OCR to convert Drete's image into text data because it enables a computer to manipulate/analyze the image content.

17. As to claims 15 and 20, since the features of these claims can also be found in claims 1-4 and 9-14, they are rejected for the same reasons set forth in the rejection of claims 1-4 and 9-14 above.

18. Claims 5-6 and 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Drete et al.(hereafter "Drete")[U.S. Pat. No. 5388252], as applied to claims 1-4, 7-15 and 18-20 above, further in view of Olah et al.(hereafter "Olah")[U.S. Pat. No. 6446119].

19. As to claims 5-6, Drete does not specifically teach that the alphanumeric character string pertains to a time at which any of the interactive displays was altered.

However, in the same field of endeavor, Olah teaches time-stamping the captured images [col.10 lines 34-36].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Dreste and Olah such that Dreste's system could also attach time information with each captured image frame because it would facilitate the reconstruction of the saved image sequence for purpose of replaying the remote activities [Dreste: col.4 lines 57-59].

20. As to claims 16-17, since the features of these claims can also be found in claims 1-3, 5-6 and 11-14, they are rejected for the same reasons set forth in the rejection of claims 1-3, 5-6 and 11-14 above.

21. A shortened statutory period for response to this action is set to expire 3 (three) months and 0 days from the mail date of this letter. Failure to respond within the period for response will result in ABANDONMENT of the application (see 35 U.S.C. 133, M.P.E.P. 710.02, 710.02(b)).

Conclusion

Examiner note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant.

Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures

may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the contest of the passage as taught by the prior art or disclosed by the Examiner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wen-Tai Lin whose telephone number is (571)272-3969. The examiner can normally be reached on Monday-Friday(8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571)272-3964. The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

(571) 273-8300 for official communications; and

(571) 273-3969 for status inquires draft communication.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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November 3, 2006

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